

6-12749



LOIS SECRIST, DATA PROCESSING, receives her Certificate in Data Processing from department head John Childress. Now, in turn, Lois is urging other candidates to prepare for next year's examination by attending a review seminar to be held on the UT campus, beginning this fall.

Lola Secrist Receives Certificate In Data Processing After Exams

Automation was once an 'ugly' word in America's economy. At the introduction of the electric refrigerator, alarmists cried havoc. And what did the refrigerator do? It created literally thousands of jobs . . . in manufacturing and maintenance. About the only thing it put out of business was the horse that drew the ice wagon.

Now look at the field of computation and data processing. There are to date some 50,000 data processing installations in the United States, of which 20,000 are electronic computer installations. There is an estimated 225,000 work force now in the field . . . and by 1970 experts expect more than double this amount. Costing jobs? . . . Data processing is making jobs!

Program Began In 1960

The Data Processing Management Association has long been outstanding in its efforts to increase the supply of persons educated in the field, and in 1960 began a program of certification in data processing (CDP).

A Certificate in Data Processing was recently awarded Lois J. Secrist, in Y-12's Data Processing Department.

Candidates for the certificate are examined on a wide range of subjects considered mandatory for professional competence in the field. These include computing equipment and methods, systems analysis and design, accounting, mathematics, and statistics. A total of 6,951 qualified candidates sat for the test this year, and 4,365 passed the examinations.

Standards Of Excellence

Persons sitting for the annual CDP examination are demonstrating their willingness to work toward the establishment of new standards of excellence in this emerging field.

Lois, a native of Milwaukee, came to Y-12 in late 1953, after hiring in at the Oak Ridge Gaseous Diffusion plant March 30 of that year. She attended Tennessee Wesleyan, and holds a BS

degree in business administration from the University of Tennessee.

Now, eager to see that others qualify for the CDP rating, Lois is pushing a Review Seminar to be offered this fall at UT. The seminar will cover the four areas outlined in the examination for the CDP. Examinations will be given in Knoxville on February 19, next year.

Subjects Covered

Subjects to be covered in the seminar include Automatic Data Processing Equipment; Computer Systems Programming and Software; Data Processing Systems—Concepts, Design and Implementation; and Quantitative Methods—Accounting, Mathematics, Statistics.

The seminar will be held twice weekly on the UT campus and the enrollment fee is \$20, which includes the manual for the course.

Lois not only serves the Gateway of Knoxville Chapter of DPMA as secretary-treasurer, she is also acting in the capacity of education chairman.

Additional information may be obtained from her on extension 3-7103, or at her home 114 Dartmouth Circle, Oak Ridge, telephone 482-1360.

Assembly Dance Tickets Going!

No scalpers they! Just good honest ticket-sellers out for Assembly's big dinner-dance Saturday, September 25.

Ticket hawkers include Mary Farr, Harry Conner, Ken Sommerfeld, Jane Brown, S. H. Guy, Steve Pelizzari, R. V. Harrell and Virginia Newby. The tickets for Assembly's big TV-motion picture dance are \$5 per head.

The event is planned for Melton Hill Country Club two weeks from Saturday night.

Have you purchased your tickets yet?

Secretaries Seminar Set For Saturday

'Woman's Influence' Is NSA Theme

"The Influence of a Woman" will be the theme for the Seminar for Career Secretaries, set for Saturday, September 11, at the Holiday Inn, Oak Ridge. Sponsored by the Oak Ridge Chapter of the National Secretaries Association, the seminar is geared to the interests of women in the secretarial profession. The program will feature lectures on human relations, office equipment, business communications, current events, and the Certified Professional Secretary Program. Speakers at the morning session will be Arthur C. Schofield, Radio Station WROL, Knoxville; Dr. Ruth Stephens, Professor Emeritus, the University of Tennessee; Elise Davies, professor of business education and office administration, UT.

Continuing Education

At the CPS luncheon, Floyd L. Culler Jr., assistant director Oak Ridge National Laboratory, will discuss "Promoting Continued Education." Certificates will be presented Bettye Burns and Mary Helen Owen who received the rating after successfully passing the CPS examination this year.

Registration fees to the seminar are \$2 for the morning session and \$2 for the luncheon. Preregistration fee of the entire program is \$3.50, which includes all morning sessions and lunch. Executives and business teachers are invited to attend the morning session and view the exhibits at no charge. Registration forms may be obtained from Mable Tyer, extension 3-7122.

CPS Exams Discussion

Saturday afternoon, L. M. Fox, associate professor of office administration at UT will meet with interested secretaries to discuss preparation for the CPS exam. Special courses can be scheduled through the UT Evening School at the Oak Ridge High School if a sufficient number of students enroll.

Mabel, secretary to the Industrial Relations Superintendent in Y-12, is serving as president of the local chapter of NSA. Other Y-12 members are extremely active in the NSA chapter.

Welding Society Sets Dinner Meet

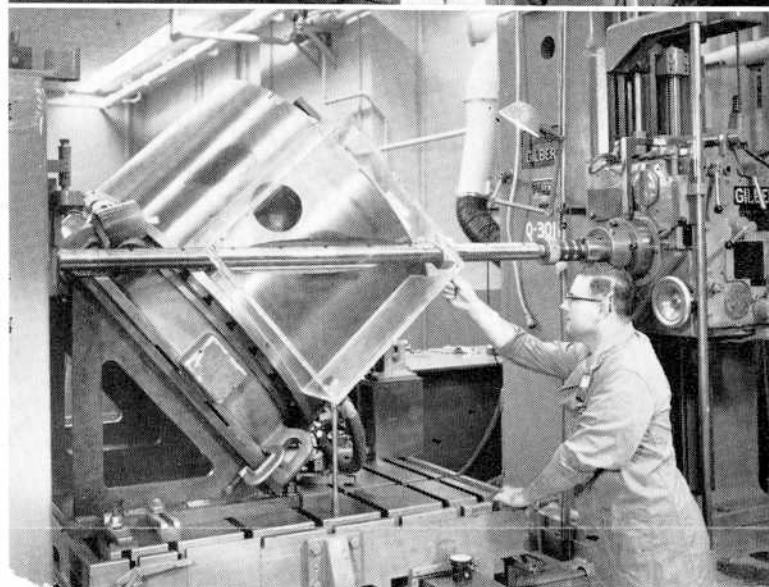
The Northeast Tennessee section of the American Welding Society will meet next Tuesday, September 14. The dinner meeting is set for Deane Hill Country Club, Knoxville. A social hour is called for 6:15 p.m., dinner at 7 and the technical session at 8.

I. A. McArthur, welding supervisor for Olin-Mathieson, New Haven, Connecticut, will speak on the "Emphasis on Porosity Control in Aluminum Welding."

Dinner reservations are being handled by R. G. Donnelly, telephone extension 3-6978.

All AWS members and guests are welcome at Tuesday's meeting.

111773



L. E. UNDERWOOD, 9766 MACHINE SHOP, is seen in both shots above, machining the beryllium component for the High Flux Isotope Reactor. HFIR achieved self-sustaining nuclear operation on Wednesday, August 25. The new reactor will produce transplutonium elements for research at Oak Ridge National Laboratory.

Beryllium Component Made By Y-12 For High Flux Reactor

The powerful new research reactor, the High Flux Isotope Reactor (HFIR), achieved self-sustaining nuclear operation for the first time at 2:22 p.m. Wednesday, August 25. The new reactor will produce elements which are believed to occur naturally only in the far reaches of outer space.

Operation of the HFIR is an important step in the Atomic Energy Commission's transplutonium production program which has the objective of making relatively large quantities of very heavy elements available for exploratory research and development. Of the nine transplutonium elements, five have been produced in visible quantities and four have been "seen" only by sensitive radiation detection instruments. The production of berkelium, californium, einsteinium and fermium from HFIR is expected to be from milligram to gram amounts.

The transplutonium elements produced in HFIR will be used in basic research into nuclear structure and spontaneous fission, decay processes, chemical and biological properties of matter, and heavy element behavior. Also, from this research scientists hope to gather information which will help explain such natural phenomena as the formation of star systems. It is believed that

the high neutron fluxes in space result in the formation of heavy elements such as californium. Research quantities of these elements will provide a better understanding of the behavior of matter in space.

Design Began In 1960

Those portions of the reactor system containing significant quantities of radioactive materials are housed in an airtight, poured concrete area of the reactor building in Oak Ridge National Laboratory. The building at ground floor level is approximately 128 feet wide, 160 feet long and 86 feet high. Design work on HFIR was started in February, 1960 and construction began April 11, 1961.

Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
55 Days Or
1,430,000 Man-Hours
(Unofficial Estimate)
Through September 6
Without A Disabling
Injury
For Daily Report
On Accident-Free Hours
Phone 3-7755

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

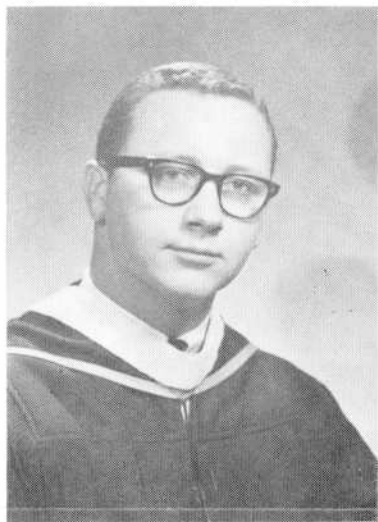
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Foster Son Takes MA History Degree At UT

Jim Will Teach
In Georgia College



James Price Foster

Congratulations to James Price Foster, son of Mr. and Mrs. B. B. Foster Sr., 119 East Newkirk Lane, Oak Ridge. Jim received his MA degree in history from the University of Tennessee, Thursday, August 26.

Price graduated from Oak Ridge High School in 1959. He attended Tennessee Wesleyan College for his undergraduate studies and there received his BA in history with a minor in business administration. At Wesleyan, Price maintained a dean's list average for six consecutive quarters. He was a member of the Varsity Debate Team and served as student representative on the Disciplinary Board.

This fall, Foster and his wife Sam, formerly of Roxboro, North Carolina, will return to Cuthbert, Georgia, where he will resume his position as history instructor at Andrew Junior College.

Foster's father is in Y-12's Buildings, Grounds and Maintenance Shops.

Joint Seminars Feature Superconductivity Theme

There will be a joint Physics, Theronuclear and Solid State Division Lecture Series next week. B. B. Goodman, Centre National de la Recherche Scientifique, Grenoble, France, will head the series on Tyle II Superconductivity.

The first lecture is set for 10 a.m. next Wednesday, September 15, in the East Auditorium. The second will be held Thursday, September 16, at 10 a.m., also in the East Auditorium. The third is set for 3:15 p.m. Thursday in the Central Auditorium, Oak Ridge National Laboratory's 4500-N Building.

Social Security Taxes Show Increase Through The Years; More Changes Set

The Bulletin erred last week in reporting that Social Security taxes would increase to 4.4 per cent, beginning January 1, 1966. Actually the F.I.C.A. tax will be upped to only 4.2 per cent, and the 4.4 percent increase will come January 1, 1967.

Old-age survivors and disability insurance taxes imposed by the Federal Insurance Contributions Act are paid at the same rate by both the Y-12er and Union Carbide. The hospital insurance taxes, provided for by the 1965 Amendments, will also be paid at the same rate by both the employer and the employee. The following tables indicate what rates have applied in previous years and what rates will be payable in future years:

Social Security and Hospital Insurance Rates			
Calendar Year	Social Security Rate	Hospital Ins. Rate	Combined Rate
1937-1949	1.0%		
1950-1953	1.5%		
1954-1956	2.0%		
1957-1958	2.25%		
1959	2.5%		
1960-1961	3.0%		
1962	3.125%		
1963-1965	3.625%		
1966	3.85%	.35%	4.2%
1967-1968	3.9%	.5%	4.4%
1969-1972	4.4%	.5%	4.9%
1973-1975	4.85%	.55%	5.4%
1976-1979	4.85%	.6%	5.45%
1980-1986	4.85%	.7%	5.55%
1987 and after	4.85%	.8%	5.65%

Before you start doing any fast calculations on how much social security tax you'll be paying, say ten years from now . . . remember, based on the past, these rates may be changed a dozen times by 1987!

Metals Society To See Turbine Car

Oak Ridge Chapter members of the American Society for Metals will get a peek at the turbine car next week. Dr. Clayton R. Lewis, chief engineer for basic research, Chrysler Corporation, will drive the turbine auto to Oak Ridge where it will be on display.

The ASM meeting is slated for next Wednesday, September 15, at the Holiday Inn, Oak Ridge. The auto will be on display at 5:30 p.m., a social hour is set at 6:15 . . . dinner at 7 and a coffee talk at 7:45 . . . with the technical session at 8.

Dr. Lewis will describe gas turbine research and development which Chrysler has carried out continuously since 1945. The turbine car which is the culmination of 20 years of research will be on display for interested parties. Special emphasis will center on turbine metallurgy. There will also be a 20-minute film showing the cross-country trips of the predecessors of the present turbine car.

A roast beef buffet is offered ASM members for \$3. Reservations or information may be obtained from F. R. Winslow, extension 3-6668.

Coffee speaker will be Bill Petty, the University of Tennessee's Athletic Department.

All members and ASM guests are welcomed to the meeting . . . to either view the turbine car or eat . . . or both.

Fire Levies Deadly Toll In USA Daily

Every day in the United States, according to National Fire Protection Association estimates, fire levies this tragic toll of death and destruction: 32 lives . . . 1,520 homes . . . 14 schools . . . eight churches . . . five hospitals and nursing homes . . . 120 stores . . . 135 industrial plants!

Only you can improve the record. Prevent fires . . . it's your job, too!

IEEE Meeting Is Tomorrow Night

Tomorrow, Thursday, September 9, is meeting night for the Oak Ridge Section of the Institute of Electrical and Electronic Engineers. The dinner meeting will be held at the Elks Club, Oak Ridge, with a social hour beginning at 6:30, dinner at 7:30.

Featured speaker will be C. H. Weaver, dean of the school of engineering at the University of Tennessee. Dr. Weaver is also a consultant on the staff at Oak Ridge National Laboratory.

He will speak on "Continuing Education for Engineers."

Dinner reservations are handled through C. S. Walker, Oak Ridge telephone 483-0341.

All IEEE members and guests are welcomed at the meeting.

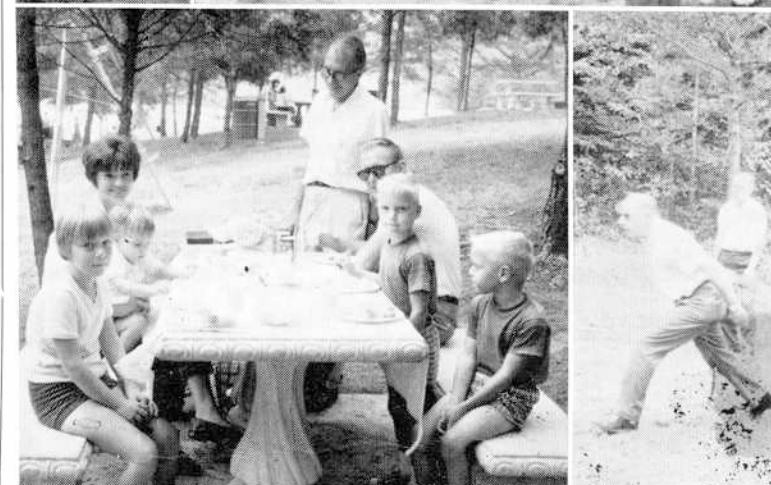
ASTME Will Tour Fulton-Sylphon Thursday

The Knoxville-Oak Ridge Chapter of the American Society of Tool and Manufacturing Engineers will tour the Fulton Sylphon Division of Robertshaw Controls Company, Thursday, September 9.

The tour begins at 7:30 p.m. The tour, followed by an illustrated lecture, will follow in sequence as nearly as possible the production stream of some of Fulton's products presently in production. Tour groups will be limited to 15 each, to enable as much personal contact as possible.

All members and their guests, 18 years or over, are urged to attend as this promises to be an educational meeting. Parking is to be provided along the plant driveway.

Avoid security infractions.



PICNIC AT THE PARK . . . that was Saturday, August 28, for the Product Engineering outing at the Carbide Recreation Park. Most of the division gathered to partake of picnic goodies with their families. (Jeff Bostock proved an able erstwhile photographer for the Bulletin, and turned in these excellent snapshots of the affair.)

Most Stockholders In Lower Incomes

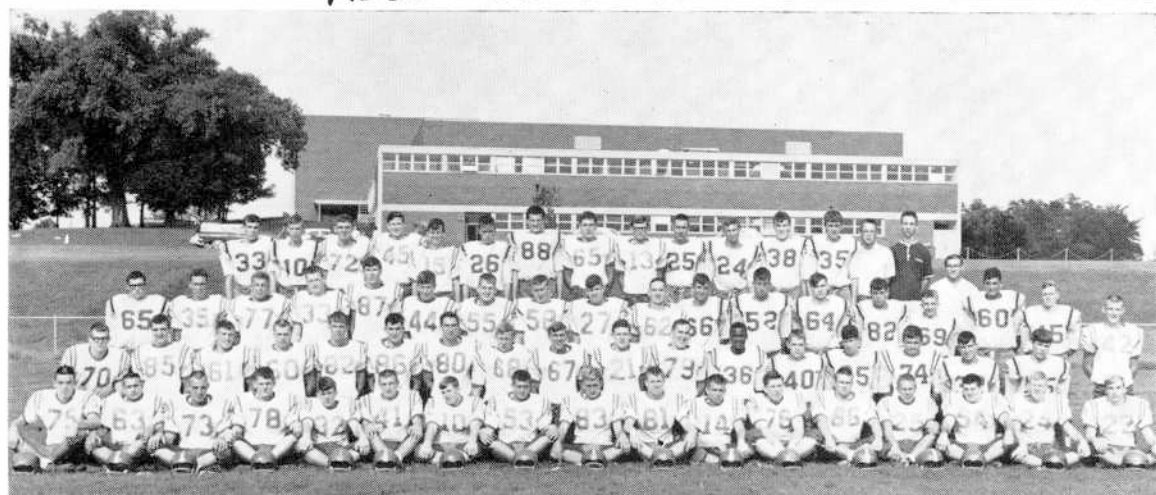
Shareholders in America's economy are not necessarily millionaires. Almost 55 per cent of all shareowners in 1965 reported annual household incomes of less than \$10,000. An estimated 18 per cent of the nation's 20 million

shareholders acquired their first stock through companies where they work.

Mind you, these are the down-trodden masses of which the Kremlin speaks!

SUCCESS SECRET

To be popular, listen closely to a lot of things you already know.



FIND JUNIOR . . . FIND JUNIOR! Well, what's his number? Here's the big squad for Oak Ridge High this year, dressed out and ready to meet East Friday night. Coach Jack Armstrong says the team has average speed, average size and a complete change in mental attitude.



Y-12 SONS OF THE BIG CAT SQUAD include the above lads. From left, front row, are Mike Brady (son of K. L., Special Projects); Jimmy Hodnett (S. A., Instrument Engineering); Albert Buck (O. C., Utilities); Mike Warren (J. E., Fire Department); Tom Wilson (T. J., Ceramics and Plastics Development); Wayne Dorr (Carl H., H-2 and F-Area Shops); Eddie Smith (Frank Kennedy); Richard Trotman (C. A., Electrical Engineering); second row—Jeff aBrwick (W. R., Machine Maintenance); John Lay (J. D., SS Control); Bill McIlwain (R. L., General Weld Shop); James Kutrz (J. J., Engineering Analysis); Danny Rader (D. H., Sr., Superintendents); Rickey and David Young (sons of J. L. Jr., Electrical); and Hake Milton Jr., son of H. T. Milton (ORNL employee in Y-12). In the third row are Gary Butner (M. A., Physical Testing); Phil Varnadore (M. D., Buildings, Grounds and Maintenance Shops); Alan Beddingfield (C. H., Area Five Maintenance); Charles Rice (M. L., Casting); Don Whittaker (Joe, H-1 Foundry); David Zasler (Jack, ORNL employee in Y-12) and Head Manager Glen Bailey (son of H. R. Bailey, Electrical).

Wildcats Set For Friday's Opening Clash

Oak Ridge Wildcat fans will see something new on the local gridiron this season . . . a platoon system and an I-formation. The season opens Friday, September 10, at Blankenship Field, with the kick-off with Knoxville East.

After a 4-4-2 record last year, Coach Jack Armstrong predicts for the 1965 team a complete change in mental attitude.

For those clip-and-save fans, below is the schedule for the Wildcats this year.

Sept. 10	Knoxville East
Sept. 17	Bradley
Sept. 24	Baylor
October 1	Lenoir City
October 8	Johnson City
October 15	Knoxville South
October 22	East Ridge
October 29	Sevierville
Nov. 5	Kingsport
Nov. 12	Knoxville Central

(Home games in dark type.)

A tough schedule . . . to be sure. But the Cats can do it.

Pistol League Is Set For Autumn

The Y-12 pistol shooting season is planned to get under way on Monday, September 20. All matches will be fired at Anderson County Gun Club at 7:30 p.m. Monday nights. Ammunition will be available at the range at a nominal cost.

The league will be set up on a handicap system for the benefit of new shooters. Both individual and team competition is planned predicated on the number of firers. For additional information contact G. L. Davis, plant phone 3-7085, or home phone Oak Ridge 483-5959.

Gun Club Welcomes 'Dads' To Courses

The Anderson County Gun Club is again sponsoring a basic rifle training course. Originally planned for "Junior" . . . or kids from 11 up . . . the course is now aimed at 'dear old Dad.' The six weeks course is set to open Friday, September 17, at the Gun Club, Clinton. It's a good chance for the boy or his papa to learn basic gun safety, hunter safety, and, of course, rifle marksmanship.

The \$3 course fee includes a rifle manual. The class will be limited to 20 members . . . and it's a good chance to bone up on rifleing.

More information may be obtained from Dave DeWalt, extension 3-7705, or Bert Searles, 3-5265.

Horseshoe 2nd Half To Gray-Leonard

Harrison Raper and Joe Tinley, who took the 1st half of the Horseshoe League . . . now face a playoff. Tip Gray and Bob Leonard took the second half in last week's action. They took eight points from Harness-Tillery.

The other tilts seen were Barger-Luckett who took a sweep from Wyatt-Lucke . . . Kendig-Zupan who also swept past Gallman-Helms; and Clark-Wagner who went by the Raper-Tinley duo for the full nine points.

Harness-Tillery took seven from Wyatt-Lucke in a make-up match.

Final standings follow:

Team	W	L
Gray-Leonard	50	13
Barger-Luckett	49	14
Kendig-Zupan	47	16
Clark-Wagner	35	28
Raper-Tinley	30	39
Harness-Tillery	15	48
Wyatt-Lucke	14	49
Gallman-Helms	12	51

Oak Ridge High School Gymnasium.

Saturday, September 18
GOLF: All-Carbine Tournament, Melton Hill Country Club.

Sunday, September 19
GOLF: All-Carbine Tournament.

END OF SUMMER

Vacation could be defined as that time when you go away for a change . . . and come back without any!

Softballers Eagles, ORNL Mets, And Plant Equipment In Tie For 2nd Slot

A three-way tie for second place has resulted in the Softball League. Y-12's Eagles, along with ORNL Mets and Plant & Equipment all have a 13 win, four loss record.

Isotopes Reactor, ORNL, of course, took the league pennant without a single loss.

Final week's action saw Isotopes Reactor hand the ORNL Mets a loss to put them down there . . . 12 to 6. Gene Moore, Butch Armistead, and Bill Montgomery all homered for the winning champs.

Y-12 Teds Lose

In a free-hitting game, the Instrumentation & Controls team sailed past the Teds 26 to 23. Bob Steffy had two homers for the winners . . . R. E. Gibson poled two for the losers . . . Charlie Myers and John Chapman took one each.

Monday's final game saw the K-25 Mets decimate the Ball Hawks 21 to 10 . . . L. C. Manley and Paul Burn burned out home-runs.

Tuesday's opener saw the Y-12 Atoms take a 17 to 15 victory over the Stems. Despite homers by John Haffey (two), Bill Schellinger and Homer Hupf, the Stems still dropped the game.

Braves Bat Bums

The Braves battled the Bums also Tuesday, taking the game 11 to 5. Froula knocked the only four-bagger of the game.

Final action Tuesday saw the Permits take a 21 to 5 win over the K-25 Instruments team. Permits getting four-baggers included Dick Boughner, John Wheeler, and Jim DiStephano.

Wednesday's games opened with the K-25 Instruments overcoming Instrumentation & Controls 18 to 2.

Eagles Take Forfeit

The Y-12 Eagles took their win easily . . . via forfeit over the Permits.

The Apprentices polished off the Nucons 27 to 10 in Wednesday's last game. Jim McCall, Jim Duncan, and Al Manson all took homers for the victors; Val Valentine took one for the losers.

Thursday finished off the regular season of play . . . as the Plant & Equipment team assured themselves of a tie for second place by defeating the Bat Boys 8 to 3. Ken Wallace battled out a home-run for the winning P&E team.

Finis was written on the league as Y-12's Eagles took win number 13 from Biology in a squeaker . . . 8 to 7. Bob Medlin was big hero with a home run . . . Wayne Par-

son pelted one for the losing Biology team.

The three-way tie for second place in the league will be played off . . . after the tournament is completed.

Team	W	L
Isotopes Reactor	17	0
ORNL Mets	13	4
Plant & Equipment	13	4
Eagles, Y-12	13	4
Braves, Y-12	12	5
K-25 Mets	12	5
Biology	11	6
Permits	10	7
K-25 Instruments	10	7
Bat Boys, Y-12	8	9
Instrumentation & Controls	8	9
Apprentices	7	10
Ball Hawks	4	13
Nucons	4	13
Atoms, Y-12	4	13
Teds, Y-12	3	14
Stems	2	15
Bums	1	16

Bumpers Bow Big In Classic Opener

Otis Rackley Hits A 235 Single Game

The Classic League rolled the first balls down the bowling lanes last week . . . as the 16 teams squared off for a winter of fighting. The Bumpers took the only sweep of the night, as they swept past the Markers. Three points went to the Rebels over the Wasps, the Swingsters past the Playboys, the Rebels over the Splinters, the Eightballs victorious over the Wolves, the Smelters past the Tigers, the Has Beens over the Rippers and the Screwballs masters of the Cubs.

Otis Rackley, Swingsters, marked high in scratch rolling, posting a single of 235 and a series of 580. Evan Galloway, Bumpers, took a handicap single of 264. George Riddle, Rebels, rode through on a 645 handicap series.

The Bumpers swept the boards teamwise, taking singles of 904, 1022 . . . and series of 2654, 3008.

League standings follow:

Team	W	L
Bumpers	4	0
All Stars	3	1
Rebels	3	1
Eightballs	3	1
Smelters	3	1
Has Beens	3	1
Screwballs	3	1
Wasps	1	3
Playboys	1	3
Splinters	1	3
Swingsters	3	1
Tigers	1	3
Rippers	1	3
Cubs	1	3
Wolves	1	3
Markers	0	4

AH, PROGRESS!

New weather satellites will help forecasters make wrong guesses quicker.

Recreation



Monday, September 13

SOFTBALL TOURNAMENT: Beginning 6 p.m. K-25 Instruments vs Biology; Isotopes Reactor-Instrumentation & Controls winner vs winner of Ball Hawks - Permits; Apprentices-Bat Boys winner vs Plant & Equipment-(Atoms-Stems winner).

TENNIS LEAGUE: By arrangements as per schedule.

BOWLING: 5:45 p.m. C League, Ark Lanes.

Tuesday, September 14

SOFTBALL TOURNAMENT: ORNL Mets - Braves winner vs K-25 Instruments-Biology winner; Eagles-Nucons winner vs K-25 Mets (Bums-Teds winner).

Wednesday, September 15
SOFTBALL TOURNAMENT: Semi-finals.

BOWLING: Mixed League, 8 p.m. Ark Lanes.

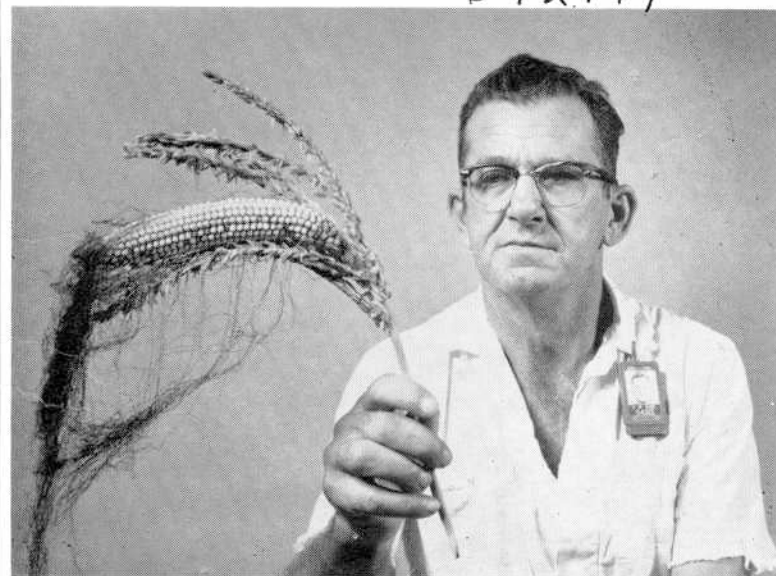
Thursday, September 16

SOFTBALL TOURNAMENT: Finals . . . 7:15 p.m.

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

HORSESHOE LEAGUE: 7:30 p.m., Oak Ridge City Courts.

PHYSICAL FITNESS: 7:30 p.m.,



SHUCKS . . . THERE AIN'T NO SHUCKS . . . says F. M. Wise, Stores Department. He brought in this ear of corn that matured naked as a jaybird on the Wiseacres . . . down at Route 2, Kingston.

UNION CARBIDE CORPORATION NUCLEAR DIVISION

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Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED

UNION
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BULK RATE
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PAID
Oak Ridge, Tenn.
Permit No. 71



Katy Kutkost
SEZ.

Testing — 1 — 2 — 3 — 4.

What with Plant Protection scheduling a Radiation Emergency Evacuation Drill to shake-down their system reminded us that maybe it wouldn't be a bad idea to check one of Cost Reduction's advertising systems, namely this column.

We're wondering who might be reading it besides the typesetter (he really just counts the lines in the column . . . but then, counting is good, too.)

Test: Anybody calling 3-7119 will get an autographed picture of Gina Lollobrigida or Rudolph Nureyev in tights — one or the other depending on which way you are inclined. Names of men requesting Rudy's picture will be kept in strict confidence.

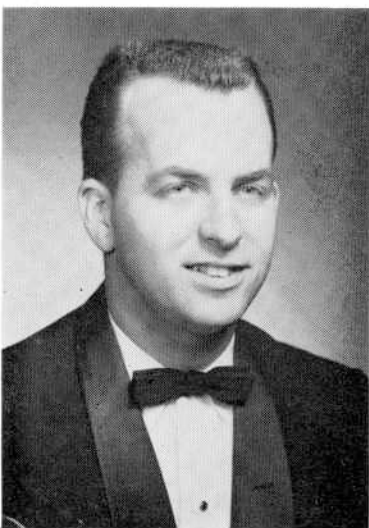
Just in case we run out of pictures we'll give you free pads of 3 x 5 obsolete file custodian cards; stores catalog 10-900—3235. The reverse sides are blank and usable — a shame to throw away. To give these cards a home is the mission of this week, if you haven't already guessed.

P. S. Our request for a WW II "E" pin to give Jerry George was filled by Mr. Cooperation, John Reece. Thanks, John. Thought: Wonder how John's fixed for spare Mah Jong tiles?

P. P. S. The Bulletin's "Socialable" Security story last week listed 1966's increase to 4.4 per cent for both employee and employer . . . it's really just 4.2. There, we saved Union Carbide and every Y-12er 0.2 of the first \$6,600 of his salary next year. How about that?

Ronnie Seaver Takes Degree At Tenn. Tech

Naval Career Plans
Jell For Y-12 Son



Ronald L. Seaver

It's Tennessee Technological University now! No longer will TPI down in Cookeville be known by its familiar name.

And Y-12's first candidate for graduation is Ronald L. Seaver, son of W. L. Seaver, Gage Certification Laboratory. (The Seavers live at 305 Kelsay Drive, Kingston.)

Ronnie is a graduate of Roane County High School, Kingston, and takes a BS in business management. Graduation ceremonies were held Saturday, August 28, at the TTU campus. John Popham, managing editor of the Chattanooga Times told a graduating class that "Tennessee Tech has one of the most exciting campuses in the nation considering the technological age in which we live." Some 108 students took various degrees in graduating exercises.

Ronnie plans to enter the Navy and has already taken one test qualifying him for Officers' Training School.

The Seavers have one other son at home, Richard, who is 17.



Ride wanted from University of Tennessee area, Knoxville, to North or Biology Portal, straight day. Ethelene Cooper, plant phone 3-7425.

Car pool member wanted by four-member team from Elm Grove, or East Village vicinity, Oak Ridge, to West Portal, straight day. Charles Maberry, plant phone 3-5821, home phone Oak Ridge 483-9772.

Building space in Y-12 would occupy about 78 football fields!



'September morns' find more Y-12ers celebrating important milestones with Union Carbide Corporation. Congratulations.

20 YEARS

Dennis O. DeHart, Buildings, Grounds and Maintenance Shops, September 9.

Evelyn T. Wilson, Medical Department, September 9.

Ira J. Shotts, Timekeeping Department, September 11.

Wheeler Boshears, Guard Department, September 14.

Arnold A. McKinney, General Machine Shop, September 14.

15 YEARS

Omer E. Hatmaker, Chemical Services, September 8.

Paul D. Quinley, Chemical Services, September 8.

Otha L. Williams, Chemical Services, September 11.

Hillyard G. Dyer, Gage Certification Laboratory, September 11.

Ules M. Oxford, General Machine Shop, September 11.

Walter L. Johnson, Buildings, Grounds and Maintenance Shops, September 11.

Arville E. May, Special Services, September 12.

Cletus A. Rinderer, Estimating and Tooling Coordination, September 14.

10 YEARS

Robert C. Andrews, Beta Two Shop, September 9.

Playhouse Holds Open House Sunday

Sunday is Open House Day at the Oak Ridge Playhouse. The general public is invited to attend the annual open house and general tryouts under the auspices of the local community playhouse this Sunday, September 12. This outstandingly successful volunteer amateur theater, located in Jackson Square, will open its doors at 8 p.m. to provide all interested persons an opportunity to become acquainted with the facilities, operations, people and plans for the 1965-66 season.

A committee composed of Dot Alford, Chuck Guthrie, Sarah Huggins, Dot Senatore, and Larry Shappert will assure guests a hearty welcome accompanied with tours of the Playhouse. Refreshments will be served. General tryouts, under the supervision of Paul Ebert, Playhouse director, will give the public a chance to be considered for parts in plays set for this season. Set for the boards this year are "The Days Between," "Roman Candle," "The Lark," "Don Juan in Hell" (Studio production), "Reclining Figure," and "Music Man."

Talent and experience are not essential for participation in playhouse productions.

Knoxville, Oak Ridge Power Squadrons Plan Boat Piloting Courses Shortly

Y-12 boatmen are reminded that September is the month the U. S. Power Squadrons start their piloting courses throughout the United States and Canada.

By registering for this course one demonstrates his sincere interest in learning more about boating as a hobby, the safe operation of the craft, and consideration of neighbors who are also afloat. Accidents can be prevented by knowledge and the observance of fundamental precautions and rules.

The course also includes a wealth of knowledge that will add to the enjoyment of boating. It is designed to be of equal value to all boatmen, regardless of prior knowledge of crafts. A novice or an "old salt" will both find benefits and points of interest in the course.

Free of charge, the boating course is offered to any comers who are interested in the fine art of handling a boat. Each student is provided with a Student Lesson Folder and a navigation training chart.

The Fall Piloting Course in this area is offered by the Oak Ridge and Knoxville Power Squadrons as follows: In Oak Ridge, classes begin next Thursday, September 16. In Knoxville, classes begin next Tuesday, September 14, at 7:30 p.m., Room 103, in UT College of Business Administration building, Temple Street entrance.

The Oak Ridge classes will be under the direction of Bob Wertz, educational officer of the O. R. squadron and the Knoxville classes will be directed by Ed Palmer, Knox Squadron educational officer.

All boatmen having the desire to operate their boat safely and legally are invited to register for

these classes at the above times. Anyone will be made most welcome.

Beryllium Component

Continued from Page 1

The estimated project cost is \$14,725,000.

The reactor is one of the three facilities at ORNL devoted to the transplutonium program. The transuranium processing plant, adjacent to and sharing some HFIR facilities, is nearing completion. Construction of the transuranium research laboratory, which will provide special facilities and equipment for studying the heavy elements, was started in March.

Beryllium Component

Y-12 machined a high-purity beryllium component used as a neutron reflector in HFIR.

The reflector, one of the largest beryllium pieces ever machined, measured 43 inches in diameter, 26.25 inches in inner diameter and about 24 inches in length, and weighs approximately 1,200 pounds.

Machining the part required seven major setups in which hundreds of individual operations were performed. Included was the precision drilling of about 200 cooling holes, 0.125 inches in diameter, plus vertical irradiation holes, one and three-quarter inches in diameter. The holes extend through the length of the reflector.

Y-12 was chosen to perform this work because of its experience in beryllium fabrication and the availability of unique fabrication equipment necessary to meet the specifications.

6-12752



GENERAL FIELD SHOP folks gathered recently to honor Thomas M. Akers, as he retired from their midst. He is seen in the checkered coat in the middle of the front row . . . proudly showing the wrist watch co-workers gave him.



ALREADY IN THAT BIG ROCKING CHAIR is Elijah Woods, former guard. Here he is surrounded by his friends in the department prior to his departure August 31. To his right is friend George McPherson, who hired in the same day Woods did . . . some 21 years ago!